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NMI Notes February 2017

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NMI Notes

**NNDSS Modernization Initiative (NMI)****FEBRUARY 2017**

Sent to: State Epidemiologists, Deputy State Epidemiologists, CSTE Surveillance/Informatics and Infectious Disease Points of Contact, and Subscribers to this Distribution List

OVERALL NMI UPDATES

Welcome to *NMI Notes*!

Please note that we have changed the structure of these updates to organize some of the main information by condition in production and condition in development to make it easier for you to find the information you need.

NMI Notes provides monthly news updates about the National Notifiable Diseases Surveillance System (NNDSS) Modernization Initiative (NMI). It is a collaboration by the Centers for Disease Control and Prevention (CDC), Council of State and Territorial Epidemiologists (CSTE), and Association of Public Health Laboratories (APHL).



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If a colleague forwarded this issue to you, we encourage you to [subscribe at this link](#) to ensure that you receive future issues of *NMI Notes*.

February NMI eSHARE to Highlight NMI Implementation

- The February NMI eSHARE webinar, "Implementation Preparation 101," will provide detailed information on how jurisdictions can best prepare for implementing the Generic v2 and Hepatitis case notification messages. The event will be held on **Tuesday, 2/21/17, at 3:00 PM EST**.
- The first NMI eSHARE session of 2017, held on 1/17/17, highlighted lessons learned from the recent NMI onboarding of pilot states. The January webinar also provided updates on the NMI Technical Assistance and Training Resource Center, recent minor changes to the Generic v2 and Hepatitis Message Mapping Guides (MMGs), and arboviral onboarding.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

NMI Technical Assistance and Onboarding Status

When multiple NMI pilot states have successfully onboarded the Message Validation, Processing, and Provisioning System (MVPS), CDC expects to open NMI technical assistance and onboarding to all jurisdictions for Generic v2 and Hepatitis and launch the NMI Technical Assistance and Training Resource Center in February. More details will be provided soon.

MVPS Updates

- The team completed development work for MVPS 2.2.3 on 1/20/17, which includes the following system updates:
 - Updates to select processing warning and error messages (including *Morbidity and Mortality Weekly Report [MMWR]* Year, *MMWR* Week, Date/Time of Birth, and Patient Age Units).
 - Updates to user management functionality (including minor updates to the Jurisdiction and Condition dropdown lists to remove duplicates).

- MVPS is implementing Rhapsody to improve system code manageability and overall development efficiency.
- The NMI team encourages all non-pilot jurisdictions to complete the Secure Access Management Services (SAMS) proofing process and confirm their access with the MVPS support team. More information about SAMS access and training may be found on the NMI web site at <http://www.cdc.gov/nmi/ta-sams.html>.

Template Being Developed for Occupation and Industry Data in MMGs

- The CDC MMG team is collaborating with the National Institute for Occupational Safety and Health to develop a template that will be incorporated into MMGs to support the collection of occupation and industry information as standardized data elements.
- Future work with health departments and CDC programs will explore how to standardize more specific occupational exposure information.

HL7 CASE NOTIFICATION MESSAGES IN PRODUCTION

Arboviral v1.3

- The NMI onboarding team is working with South Dakota to onboard Arboviral v1.3.



Generic v2

- On 1/18/17, the NMI team approved Michigan to go into production for Generic v2. Other states in the onboarding process include Florida, New York, and Minnesota. The NMI team anticipates that California will begin the onboarding process in late January/early February.
- Jurisdictions may use the Message Evaluation and Testing Service (METS) to test their Generic v2 messages by accessing <https://mets.cdc.gov>. For more information on METS, please visit <https://www.cdc.gov/nmi/mets.html>.

Hepatitis

- On 1/18/17, the NMI team approved Michigan to go into production for Hepatitis. Other states in the onboarding process for Hepatitis include Florida, Minnesota, and Idaho. The NMI team anticipates that California will begin the onboarding process in late January/early February.
- Jurisdictions may use METS to test their Hepatitis messages by accessing <https://mets.cdc.gov>. For more information on METS, please visit <https://www.cdc.gov/nmi/mets.html>.

HL7 CASE NOTIFICATION MESSAGES IN DEVELOPMENT

Babesiosis (Stage 1—Draft)

- CDC updated the guide with unique identifiers received from standard development organizations and the appropriate value set links after requesting value set updates to the Vocabulary Access and Distribution System.

(VADN Hyperlink)	Value Set Code	Valid Values	HL7 Message Context	HL7 Data Type	HL7 Usage
VADN Hyperlink	PHVS_StateProvince	US States FPS Codes	OBX segment with OBX-5=INV503	CWE	RE
VADN Hyperlink	ISOExposure_CDC	and ISO Country Subdivision codes for Canadian Provinces and Mexican States	OBX segment with OBX-5=INV504	ST	RE
VADN Hyperlink	OBX-5-String	(up to 199 characters)			

Congenital Syphilis and STD MMGs (Stage II—Pilot Test-ready)

- CDC is currently updating the Congenital Syphilis and STD MMGs.
- The CDC program supported the implementation of the Antimicrobial Susceptibility Data Element block and lab template in the STD MMG.
- The program also supported the development of the lab interpretative diagnostic data elements and valid values and the Gender Identity and Sexual Orientation elements in the STD MMG based upon the HHS Office of the National Coordinator for Health Information Technology standard.

Foodborne and Diarrheal Disease (FDD) MMG (Requirements Analysis)

- The CDC MMG team has analyzed the FDD MMG and will recommend to the CDC program some changes to the FDD MMG to make it consistent with other NMI MMGs.

- CDC is assigning vocabulary codes for clinical data elements.

Malaria MMG (Stage I—Draft)

- The MMG team has made all updates identified by the program from the external review and subsequent meetings.

Measles MMG (Stage I—Draft)

- The MMG team proposed a lab epi-interpretative data elements template that could be used across all of the guides based upon the Measles MMG work.

Mumps and Pertussis MMGs (Stage II—Pilot Test-ready)

- Pilot test-ready Mumps and Pertussis guides and artifacts are available on the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>.

Rubella and Congenital Rubella Syndrome (CRS) MMGs (Stage I—Draft)

- The MMG team is working to resolve issues related to the external review comments/feedback and general issues identified with the CRS and Rubella draft artifacts.

Trichinellosis (Requirements Analysis)

- The MMG team is reviewing the data element list with the CDC program to gain approval of the finalized data element list.

Varicella MMG (Stage I—Draft)

- CDC posted the Draft Varicella MMG along with the external review feedback document to the NNDSS website at <https://www.cdc.gov/nndss/case-notification/message-mapping-guides.html>. These documents will be available on the website until 2/9/17.

NMI RESOURCES

- NNDSS HL7 Case Notification Resource Center: <https://www.cdc.gov/nndss/case-notification/>
- NMI Newsroom: <https://www.cdc.gov/nmi/newsroom.html>
- NMI Internet Site (includes NMI fact sheets and FAQs): <http://www.cdc.gov/nmi/>
- NMI Notes Monthly News Update: <https://www.cdc.gov/nmi/news.html>
- NMI eSHARE Monthly Webinar: <http://www.cdc.gov/nmi/eshare.html>



NMI Pilot Jurisdiction Status Report

Jurisdiction	System	Implementation Process					Onboarding Process	
		Kick Off	Gap Analysis [non-NBS] or Disease Page Implemented [NBS]	Data Extract Updated [non-NBS] or Legacy Data Porting - Migration Complete [NBS]	HL7 Message Created	Message Validation	Onboarding	In Production
Alabama								
STD	NBS	X	X	X	X	X		
Arizona								
CS	Non-NBS	X	X	X	In Process			
STD	Non-NBS	X	X	X	In Process			
Arkansas								
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		
California								
Gen V2	Non-NBS	X	X	X	X	X		
HEP	Non-NBS	X	X	X	X	X		
Florida								
Arbo V1.3*	Non-NBS	X	X	X	X	X	X	X
CS	Non-NBS	X	X	X	X	X		
Gen V2	Non-NBS	X	X	X	X	X		
HEP	Non-NBS	X	X	X	X	X		
STD	Non-NBS	X	X	X	X	X		
Idaho								
Arbo V1.3	NBS	X	X	X	X	X	In Process	
Hep	NBS	X	X	X	X	X	In Process	
STD	NBS	X	X	X	X	X		
Kentucky								
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		
Louisiana								
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		
Michigan								
CS	Non-NBS	X	X	X	In Process	In Process		
Gen V2	Non-NBS	X	X	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X	X	X
STD	Non-NBS	X	X	X	X	X		
Minnesota								
Gen V2	Non-NBS	X	X	X	X	X	In Process	
HEP	Non-NBS	X	X	X	X	X	In Process	
New York								
Arbo V1.3	Non-NBS	X	X	X	X	X	X	X
Gen V2	Non-NBS	X	X	X	X	X	In Process	
HEP	Non-NBS	X	X	In Process	In Process			
North Carolina								
CS	Non-NBS	X	X	In Process				
STD	Non-NBS	X	X	In Process				
Oregon								
CS	Non-NBS	X	X	X	X	X		
Gen V2	Non-NBS	X	X	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X	X	X
STD	Non-NBS	X	X	X	X	X		
South Dakota								
Arbo V1.3	Non-NBS	X	X	X	X	X	In Process	
Tennessee								
Arbo V1.3	NBS	X	X	X	X	X	X	X
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		
Texas								
Arbo V1.3	NBS	X	X	X	X	X	X	X
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		

*Florida has implemented Arboviral 1.3 for Zika and is continuing to work on implementing the remaining Arboviral conditions.

NMI Pilot Jurisdiction Status Report: This chart shows the status of current NMI pilot jurisdictions in implementing and onboarding new HL7 NNDSS case notification messages. Please note that NBS has finalized system updates for the Generic v2 and Hepatitis MMGs, and jurisdictions are currently applying those minor updates.

UPCOMING EVENTS

NMI eSHARE:

NMI Implementation Preparation 101;
2/21/17, 3:00PM ET;

<http://www.cdc.gov/nmi/eshare.html>

CSTE Annual Conference: 6/4-8/17;

<http://www.csteconference.org/2017/>

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